

## HW-2

1. List three data sources Power BI can connect to.

1. Azure SQL DB
2. Excel files
3. SQL Server DB

2. What is the first step to import data into Power BI Desktop?

In Power BI, on the **Home** tab, select **Get data**. In the list that displays, select the option that you require, such as **Text/CSV** or **XML**. How do you refresh imported data in Power BI?

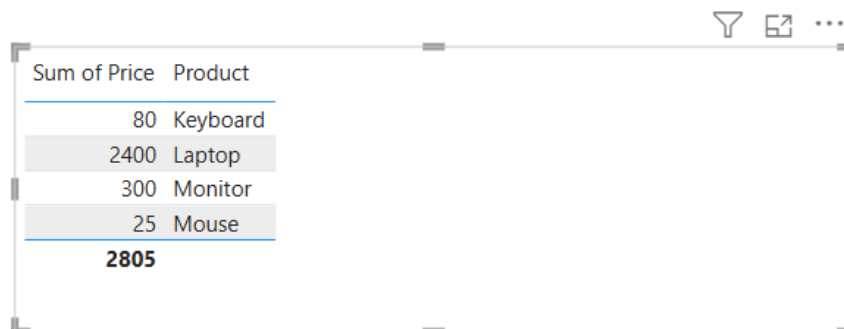
3. What file formats can Power BI import directly? (Name two.)

such as **Text/CSV** or **XML**

4. What does the "Navigator" window show after selecting a data source?

This window shows you the data that is available in your data source (the Excel file in this example).

5. Import Sales\_Data.csv and load only the "Product" and "Price" columns.



The screenshot shows a table visualization in Power BI. The table has two columns: 'Sum of Price' and 'Product'. The data rows are: Keyboard (80), Laptop (2400), Monitor (300), and Mouse (25). The total sum of prices is 2805, displayed at the bottom of the 'Sum of Price' column. The table is enclosed in a grey border with a filter icon, a refresh icon, and a menu icon in the top right corner.

Sum of Price	Product
80	Keyboard
2400	Laptop
300	Monitor
25	Mouse
<b>2805</b>	

6. How would you change OrderDate to a date format during import?

Click transform data

Select OrderDate column and go to the top menu-> 'Data Type' dropdown select 'Date'

Then change the format

7. What is the difference between "Load" and "Transform Data" in the import dialog?

Load button for automatically load my data into the Power BI model

Transform Data Button to launch the Power Query Editor where I can review and clean my data before loading

8. Why might you see an error when connecting to a SQL database? (Name one reason.)

It can be because of an incorrect server name or database credentials

9. How do you replace a data source after importing it?

On the **Home** tab, select **Transform data**, and then select the **Data source settings** option.

10. Write the M-code to import only rows where Quantity > 1.

```
#"FilteredRows" = Table.SelectRows(ChangedType, each [Quantity] > 1)
```

11. How would you change the data source if Sales\_Data.csv changed?

On the **Home** tab, select **Transform data**, and then select the **Data source settings** option.

12. Troubleshoot: Your CSV import fails due to a "mixed data type" error—how do you fix it?

Go to Home tab, select Transform Data, from there we can change the type of a data or

Using M-code

13. Connect to a live SQL database with parameters (e.g., filter by year).

14. How would you automate data imports using Power BI and Power Automate?